

EOSDIS Core System Project

Release B Test and Support Equipment Requirements for the ECS Project

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May 1996

Hughes Information Technology Systems
Upper Marlboro, Maryland

Release B Test and Support Equipment Requirements for the ECS Project

May 1996

Prepared Under Contract NAS5-60000
CDRL Item 125

APPROVED BY

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Preface

This document is a formal contract deliverable with an approval code 3. This document is delivered to NASA for information only, but is subject to approval as meeting contractual requirements.

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Abstract

The Test and Support Equipment Requirements List document (CDRL 125, DID 619/OP3) is intended to identify the test and support equipment required to support the maintenance of ECS equipment. Based upon the total COTS hardware solution and the contracted maintenance support approach taken for Release B, there is currently **no** known test or support equipment required to support the Release B maintenance program. This document will be updated prior to the RRR for Release B and the CDR and RRR for each subsequent release.

Keywords: maintenance, tools, equipment, support, test, requirements

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1. Introduction

1.1 Identification

This document will identify the test and support equipment required to support the maintenance of ECS Release B equipment. It will also include the Recommended Maintenance Equipment List required by CDRL 126/DID 620, as approved by ESDIS to be merged with CDRL 125.

1.2 Purpose and Scope

The Test and Support Equipment document (DID 619) is intended to identify the test and support equipment required to support the ECS design. Based upon a preliminary review of the equipment contained in the Release B design, there is no known test, support, or maintenance equipment needed to support Release B. Considering the total COTS hardware solution and the contracted maintenance support approach taken for Release B equipment, it is not expected that test, support, or maintenance equipment will be required. Since failed equipment components will be replaced by the Original Equipment Manufacturers (OEMs) and not repaired by ECS personnel, there is no need for test equipment to test the replacement parts. Replacement parts provided by the OEMs and maintenance contractors will have been tested prior to receipt.

However, now that the design and specific COTS products are known, support requirements can be more thoroughly assessed. Test, support, and maintenance equipment requirements identified prior to Release B RRR will be provided in the final version of this document, which is due at RRR.

This document reflects the August 23, 1995 Technical Baseline maintained by the contractor Configuration Control Board (CCB) in accordance with ECS Technical Direction #11, dated December 6, 1994.

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